

Meteorological Register, kept at the Assay Office, for the Month of January, 1839.

| Day of the Month. | Atmospheric Pressure. |                   | Temperature. |             | Hygrometry. |            | Aqueous tension. |                           | Weather.         |              | Atmospheric Pressure. |                      | Temperature.      |      | Hygrometry. |             | Aqueous tension.          |                  | Weather.     |                     |                   |     |
|-------------------|-----------------------|-------------------|--------------|-------------|-------------|------------|------------------|---------------------------|------------------|--------------|-----------------------|----------------------|-------------------|------|-------------|-------------|---------------------------|------------------|--------------|---------------------|-------------------|-----|
|                   | Old Stand Barometer.  | Height at 32 Fah. | River water. | Well water. | Air.        | Dew point. | Depression.      | Differential thermometer. | Hair Hygrometer. | By Wet bulb. | By Hair Hygrometer.   | Old Stand Barometer. | Height at 32 Fah. | Air. | Dew point.  | Depression. | Differential thermometer. | Hair Hygrometer. | By Wet bulb. | By Hair Hygrometer. | Aspect of Sky.    |     |
| 1                 | 29,907                | 29,898            | 73,9         | 75,4        | 74,7        | 54,5       | 9,6              | 9,6                       | 80               | 51           | 55                    | 29,810               | 29,787            | 80,9 | 43,6        | 14,2        | 12,9                      | 72               | 29           | 40                  | clear.            |     |
| 2                 | ,949                  | ,937              | 74,3         | 76,3        | 74,1        |            | 5,5              | 5,5                       | 91               | 72           | 80                    | ,845                 | ,822              | 87,3 |             | 13,3        | 12,3                      | 74               | 45           | 49                  | do.               |     |
| 3                 | ,017                  | ,008              | 74,2         | 75,6        | 75,7        |            | 7,8              | 7,4                       | 86               | 63           | 70                    | ,913                 | ,887              | 83,3 |             | 13,8        | 12,7                      | 75               | 44           | 51                  | do.               |     |
| 4                 | ,008                  | ,993              | 75,5         | 76,9        | 76,9        | 63,5       | 6,6              | 6,7                       | 89               | 65           | 69                    |                      |                   |      |             |             |                           |                  |              |                     | cir. cum. haze    |     |
| 5                 |                       |                   |              |             |             |            |                  |                           |                  |              |                       |                      |                   |      |             |             |                           |                  |              |                     |                   |     |
| 6                 | ,059                  | ,059              | 72,2         | 74,7        | 70,5        | 52,0       | 12,4             | 11,8                      | 71               | 55           | 37                    | ,948                 | ,928              | 75,9 | 49,5        | 14,0        | 12,0                      | 69               | 41           | 36                  | cir. cum.         |     |
| 7                 | ,076                  | ,065              | 72,1         | 74,5        | 70,9        | 56,0       | 10,6             | 8,9                       | 79               | 62           | 45                    | ,946                 | ,926              | 74,9 |             | 13,8        | 12,6                      | 69               | 36           | 42                  | clear.            |     |
| 8                 | ,029                  | ,019              | 71,7         | 74,1        | 68,3        |            | 9,4              | 9,2                       | 78               | 50           | 56                    | ,904                 | ,899              | 74,4 |             | 13,4        | 11,9                      | 71               | 36           | 45                  | cir. cum. few.    |     |
| 9                 | ,985                  | ,973              | 72,2         | 74,5        | 69,5        | 53,0       | 8,7              | 8,1                       | 82               | 59           | 54                    | ,855                 | ,839              | 75,3 |             | 12,2        | 10,4                      | 75               | 42           | 51                  | clear.            |     |
| 10                | ,059                  | ,937              | 73,9         |             |             |            | 5,3              | 5,3                       | 95               |              |                       | ,832                 | ,806              | 78,0 |             | 9,0         | 9,0                       | 86               | 60           | 70                  | clear.            |     |
| 11                |                       |                   |              |             |             |            |                  |                           |                  |              |                       |                      |                   |      |             |             |                           |                  |              |                     | cldy. all day.    |     |
| 12                |                       |                   |              |             |             |            |                  |                           |                  |              |                       |                      |                   |      |             |             |                           |                  |              |                     |                   |     |
| 13                | ,085                  | ,025              | 72,6         | 77,3        | 71,5        |            | 5,3              | 5,3                       | 93               | 71           | 84                    | ,928                 | ,907              | 75,1 |             | 6,7         | 6,1                       | 89               | 67           | 76                  | cum. strat.       |     |
| 14                | ,008                  | ,999              | 71,7         | 76,1        | 73,4        |            | 5,8              | 5,8                       | 92               | 70           | 82                    | ,903                 | ,882              | 76,1 |             | 5,8         | 5,0                       | 94               | 71           | 87                  | Nimbi.            |     |
| 15                | ,020                  | ,010              | 71,6         | 74,4        | 70,5        |            | 3,5              | 3,0                       | 97               | 80           | 93                    | ,914                 | ,898              | 72,9 |             | 4,9         | 4,3                       | 94               | 75           | 87                  | do.               |     |
| 16                | ,996                  | ,000              |              |             | 70,1        |            | 6,2              | 5,4                       | 91               | 66           | 80                    | ,936                 | ,917              | 72,3 |             | 7,6         | 6,6                       | 88               | 61           | 74                  | do.               |     |
| 17                | ,046                  | ,049              | 71,7         | 75,6        | 70,1        |            | 5,4              | 5,1                       | 93               | 70           | 84                    | ,936                 | ,913              | 75,2 |             | 7,1         | 6,1                       | 89               | 65           | 76                  | cir. strat. cldy. |     |
| 18                | ,007                  | ,992              | 71,7         | 75,6        | 72,4        |            | 6,7              | 6,8                       | 89               | 65           | 76                    | ,891                 | ,867              | 74,9 |             | 6,5         | 5,2                       | 91               | 69           | 80                  | cldy.             |     |
| 19                |                       |                   |              |             |             |            |                  |                           |                  |              |                       |                      |                   |      |             |             |                           |                  |              |                     | do.               |     |
| 20                |                       |                   |              |             |             |            |                  |                           |                  |              |                       |                      |                   |      |             |             |                           |                  |              |                     |                   |     |
| 21                | ,040                  | ,037              | 71,6         | 74,5        | 70,6        | 65,0       | 5,0              | 4,6                       | 94               | 85           | 72                    | ,928                 | ,913              | 73,5 | 63,0        | 7,6         | 6,3                       | 87               | 73           | 62                  | cldy.             |     |
| 22                | ,065                  | ,060              | 70,4         | 73,9        | 69,8        | 56,5       | 9,1              | 8,7                       | 79               | 65           | 52                    | ,960                 | ,942              | 72,6 | 55,0        | 10,3        | 9,1                       | 77               | 56           | 49                  | do.               |     |
| 23                | ,158                  | ,148              | 70,1         | 73,8        | 68,1        | 50,0       | 9,9              | 9,0                       | 78               | 54           | 47                    | ,047                 | ,047              | 71,9 | 53,8        | 11,1        | 9,3                       | 76               | 54           | 45                  | do.               |     |
| 24                | ,160                  | ,170              | 69,4         | 73,4        | 67,0        | 52,0       | 9,2              | 9,0                       | 78               | 61           | 50                    | ,004                 | ,998              | 70,9 | 48,8        | 6,9         | 10,3                      | 73               | 47           | 65                  | clear.            |     |
| 25                | ,077                  | ,064              | 69,0         | 73,7        | 66,5        | 48,5       | 8,1              | 7,6                       | 82               | 61           | 55                    | ,958                 | ,944              | 71,7 | 49,0        | 6,1         | 11,3                      | 73               | 47           | 65                  | do.               |     |
| 26                |                       |                   |              |             |             |            |                  |                           |                  |              |                       |                      |                   |      |             |             |                           |                  |              |                     |                   | do. |
| 27                |                       |                   |              |             |             |            |                  |                           |                  |              |                       |                      |                   |      |             |             |                           |                  |              |                     |                   | do. |
| 28                | ,110                  | ,127              | 69,0         | 73,7        | 68,5        | 51,0       | 6,8              | 6,2                       | 88               | 57           | 62                    | ,010                 | ,998              | 75,3 | 48,0        | 11,6        | 10,7                      | 79               | 41           | 45                  | clear.            |     |
| 29                | ,140                  | ,141              | 70,6         | 74,5        | 71,1        | 52,0       | 5,2              | 5,3                       | 75               | 53           | 72                    | ,014                 | ,014              | 78,3 | 47,0        | 12,9        | 12,1                      | 76               | 35           | 43                  | do.               |     |
| 30                | ,113                  | ,120              | 71,0         | 74,3        | 70,5        | 54,0       | 4,6              | 4,9                       | 94               | 59           | 75                    | ,992                 | ,980              | 75,7 | 48,0        | 11,3        | 9,9                       | 77               | 40           | 46                  | cir. cum. few.    |     |
| 31                | ,995                  | ,095              | 70,4         | 74,2        | 71,3        | 51,0       | 8,2              | 7,5                       | 82               | 52           | 57                    | ,976                 | ,954              | 75,1 | 50,0        | 10,0        | 10,0                      | 79               | 44           | 52                  | cldy. haze.       |     |
| Mean.             | 30,041                | 30,039            | 71,8         | 74,8        | 70,9        | 54,2       | 7,3              | 6,9                       | 85               | 59           | 61                    | 29,832               | 29,916            | 75,4 | 50,5        | 10,0        | 9,3                       | 79               | 46           | 53                  | I. t. & H. heavy. |     |